

What is claimed is:

- 503 B1)
1. A method of delivering a nucleic acid to a cell, comprising administering to the cell an AAV5 particle containing a vector comprising the nucleic acid inserted between a pair of AAV inverted terminal repeats, thereby delivering the nucleic acid to the cell.
  2. A method of delivering a nucleic acid to a cell in a subject comprising administering to the subject an AAV5 particle comprising the nucleic acid inserted between a pair of AAV inverted terminal repeats, thereby delivering the nucleic acid to a cell in the subject.
  3. The method of claim 1, wherein the cell is selected from the group consisting of: alveolar cell, cerebellar cell, and ependymal cell.
  4. The method of claim 3, wherein the cell is an ependymal cell.
  5. The method of claim 3, wherein the cell is an alveolar cell.
  6. The method of claim 3, wherein the cell is a cerebellar cell.
  7. The method of claim 2 wherein the cell selected from the group consisting of: alveolar cell, cerebellar cell, and ependymal cell.

8. The method of claim 7, wherein the cell is an ependymal cell.
9. The method of claim 7 wherein the cell is an alveolar cell.
10. The method of claim 7 wherein the cell is a cerebellar cell.
11. The method of any of claims 1-10, wherein the AAV inverted terminal repeats are AAV5 terminal repeats.

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SUB B2)

ADD B3)